



LOW-FRICTION LOAD MANAGEMENT

For over 45 years, Harken® has built its reputation on quality products developed, tested, and used in the most extreme marine environments. These products have dominated the high-performance yacht equipment market for decades. Drawing from this experience, Harken designs and manufactures a broad range of high-end load-handling apparatus: winches, pulleys, linear motion track systems, roller furling equipment.



Harken strives to find the best solution to your high-load, low-friction, weight-critical applications.

EN13157 Pulleys

HARKEN® HAS A SOLUTION TO ANY PULLING PROBLEM.

Over 470 different pulleys available from a 16 mm sheave diameter increasing to 150 mm in the standard range. Single, double, and triple sheaves which can feature ratchets, cleats, beckets, opening side plates, and padeye attachments. Attachment options include fixed head, swivel head, cheek attach or soft attach.



Black Magic® AirBlock®

With high strength-to-weight ratios and free-rolling, high-load roller bearings, Black Magic® AirBlocks® are suitable for high dynamic and static load situations where friction is an issue.



Classic Midrange

Robustly constructed making them ideal to handle high loads. Free-running Delrin® ball bearings roll in fitted races to provide strength while allowing hauling and release under high or low loads.



Classic Midrange Hexaratchet®

Midrange Hexaratchets® grip loaded lines, relieving holding loads, while maintaining quick ease and haul with complete control. A switch on the side engages and disengages the ratchet mechanism.



ESP Pulleys

The sheaves feature sleeve bearings perfect for high static loads. Side load ball bearings handle misaligned loads and aluminium cheeks make them both strong and hard wearing.



T2™ Soft Attach Pulleys

Tie, splice, lash to almost anything. For use where lightweight and low-friction pulleys are required for moderate loads. Both models route the attachment line through the pulley head and sheave, reducing load on the sideplates.



Certification

Harken® offers a wide range of EN13157 certified pulleys, for Hand Operated Lifting Equipment.

**a solution to
any pulling problem**

APPLICATIONS & MAINTENANCE

Simple to use and ideal in the most diverse applications.

Harken pulleys can be used in any rope handling applications across many industries including:

Theatrical Stunt work
Cable Laying Load towing/securing
Human Suspension

Maintaining the Harken pulleys is easy

Their simple construction requires no lubrication. Simply flush through with fresh water to keep bearings free rolling.

Range

The table below includes a selection of **CE** pulleys from our range:

Part No.	Description	Sheave Ø		Length		Weight		Shackle pin Ø		Max fibre rope**		Use with	Rated load
		in	mm	in	mm	oz	g	in	mm	in	mm		
440.3215	Single/Swivel Black Magic	2 1/4	57	4 11/16	119	5.36	152	1/4	6	7/16	12	Fibre	5 kN
440.3231	Single/Swivel Black Magic	3	75	5 1/8	129	11.68	331	5/16	8	9/16	14	Fibre/Wire	12 kN
440.3246	Single/Swivel Black Magic	4	100	9 1/2	241	23.82	675	3/8	10	5/8	16	Fibre/Wire	15 kN
440.3256	Single/Swivel Black Magic	5	125	10	254	36.8	1042	1/2	12	3/4	19	Fibre/Wire	22.5 kN
440.1540	Single Midrange	3	75	6 1/8	156	13	367	5/16	8	9/16	14	Fibre	5 kN
440.1549	Single Midrange Hexaratchet	3	75	6 1/8	156	14	397	5/16	8	9/16	14	Fibre	5 kN
440.6058	Single ESP Swivel	3	75	6 1/4	159	12	340	5/16	8	3/4	19	Fibre	7.5k N
440.6059	Single ESP Swivel	2 1/4	57	5 1/2	140	7.7	218	5/16	8	5/8	16	Fibre	4 kN
440.6050	ESP Teardrop	2 1/4	57	3 11/16	93.5	4.3	122	5/16	8	5/8	16	Fibre	4 kN
440.6056	ESP Teardrop	3	75	4 5/8	117	7.8	221	5/16	8	3/4	19	Fibre	6 kN
443.1609E	Utility Snatch	2 1/2	64	5 9/16	166	20	564	-	-	5/8	16	Fibre	5kN

**Max wire rope Ø is dependent on the construction of the wire used and the application in which it is being used. Please contact Harken for further information.

FAQs

Q: What do I do if the pulley I require is not CE certified?

A: Harken can CE certify additional pulleys in response to demand. If you require a Harken pulley that is not listed please contact info@harkenindustrial.com

Q: Can Harken pulleys be used with wire rope?

A: The suitability for use with wire rope depends on the sheave material. Pulleys with aluminium sheaves can be used with wire rope although the working life of the pulley will reduce due to the increased wear on the sheave. Our wire pulley range and all Black Magic pulleys size 75 mm or larger have aluminum sheaves.

Q: Are Harken pulleys suitable for Human Suspension?

A: Harken pulleys can be used for human suspension provided a 10:1 break load factor of safety is achieved.

Q: Are the Harken CE pulleys properly marked with the critical working information

A: Yes. Each pulley is marked with a tamper-proof sticker with block type, maximum rope diameter to be used, working load limit, break load, serial number and the manufacturer's mark clearly visible.



Rated loads are 4:1 coefficient ratio of the type test load. Human suspension applications require 10:1 ratio.

WARNINGS AND INSTRUCTIONS. You must carefully read, understand, and follow all of the warnings and instructions in the User Manual provided by Harken in order to avoid an accident. Never, under any circumstances, exceed the maximum rated load.

SBL SNATCH BLOCK

THE ULTIMATE BLOCKS IN POWER TO WEIGHT EFFICIENCY

The SBL (strong but light) Snatch Blocks are designed for maximum strength at the lightest weight. The largest SBL is under 500 mm (20 in) in overall length, yet it weighs just 22.5 kg (50 lbs) and has a break load of 95 tons—a greater than 25% weight savings over comparable products. This allows it to be manually handled by a single operator.



Design

Sculpted to remove excess weight, the blocks maintain their high strength-to-weight efficiency. Side-opening plates allow the blocks to be rigged quickly and easily.



Materials

6061-T6 aluminum side plates with UV-stabilized hardcoat-anodizing for maximum protection. Sheaves run smoothly and maintain efficiency at high loads using PTFE-impregnated ULC bearing technology.



Fiber Rope

The Snatch Block is used with fiber rope up to 25 mm (1 in) in diameter, reducing weight and allowing alignment to the load. Smooth surfaces and chafe-free design are sympathetic to fiber rope.



Certification

The Harken® SBL Snatch Blocks are certified in excess of requirements of EN13157:2004 for Hand Operated Lifting Equipment.

the game changer
in load handling

Part No.	Description	Sheave Ø		Breaking load		Weight	
		in	mm	lb	kg	lb	kg
440. HC10636	SBL 10/40	6.5	165	96000	40000	9	4
440. HC10639	SBL 13/55	9	221	120000	55000	20.5	9.3
440. HC11038	SBL 23/95	11	279	210000	95000	50	22.5

Simple to use and ideal in the most diverse applications.

The SBL Snatch Blocks can be used for towing, mooring pulling and lifting in a variety of industries including:

- Utilities
- Commercial Rigging
- Offshore
- Renewables
- Commercial Marine
- Transport
- Salvage Operations
- Military

Maintaining the block is easy

The simple construction requires no lubrication and can be flushed clean with fresh water.

FAQs

Q: Are the SBL Snatch Blocks metric rated and what is the design factor?

A: They are metric rated to a factor of 4:1.

Q: Do the SBL Snatch Blocks have application and warning information attached?

A: Yes. Every block is sent with its own manual detailing safe usage and warning information.

Q: Are the SBL Snatch Blocks properly marked with the critical working information?

A: Yes. Each SBL Snatch Block is marked with a tamper-proof sticker with block type, maximum fiber rope diameter to be used, working load limit, break load, serial number and the manufacturer's mark clearly identifiable.

Q: Are the SBL Snatch Blocks available in different sizes?

A: Yes. There are currently three sizes available in the SBL range; 10/40, 13/55 and 23/95 for rope diameter up to 25 mm (1 in).



Maximum working loads are 4:1 coefficient ratio of the breaking load. Human suspension applications require 10:1 ratio. WARNINGS AND INSTRUCTIONS. You must carefully read, understand, and follow all of the warnings and instructions in the User Manual provided by Harken in order to avoid an accident. Never, under any circumstances, exceed the maximum rated load.

UTILITY SNATCH PULLEY

THE IDEAL PULLEY FOR ENDLESS ROPE OPERATION

Harken® Snatch pulley features a low-friction roller/ball bearing sheave and a unique push-button latch making it the ideal workhorse for temporary rigging. The opening sideplates and simple operation make these compact pulleys extremely versatile, allowing them to be quickly fastened wherever needed. They are ideal for endless rope applications, along with working at height and confined space rigging operations.



Ease of use

The push-button latch is ideal for one-handed operation; a necessity for working at height.



Open loading

The opening side allows rope to be inserted or removed with minimal fuss, and no reeving.



Swivel eye

The swivel eye allows complete articulation when used in conjunction with connectors and slings, including EN 362 karabiners.



Performance with durability

The Utility Snatch pulley features roller bearings for the axial load and Delrin® balls for the side load giving very low friction. The sideplates are made of urethane creating a lightweight yet robust pulley.



Certification

CE certified under EN 13157 (Machinery Directive) with a Maximum Working Load of 500 kg (1102.3 lb) and a Breaking Load of 2500 kg (5511.5 lb).

Delrin® is a registered trademark of E.I. duPont de Nemours and Company or its affiliates.

the epitome of utility
a pulley for all occasions

Part No.	Description	Max working load		Breaking load		Weight		Rope Ø	
		lb	kg	lb	kg	lb	kg	in	mm
443.1609E	Utility Snatch	1102.3	500	5511.5	2500	1.1	0.5	0.3-0.6	8-16

Simple to use and ideal for endless rope operation.

The Utility Snatch pulley can be used for deviation when you have an offset anchor point, creating an angled, single-rope pull. It is a versatile pulley, ergonomic in construction, lightweight, and can be used in many applications.

Maintaining the pulley is easy

The simple construction requires no lubrication and can be flushed clean with fresh water. Designed for use in the most testing environments, the pulley is durable and robust.

FAQs

Q: Can the Utility Snatch pulley be used with wire rope?

A: No. The Utility Snatch pulley is designed to be used with fiber and synthetic ropes 8 - 16 mm (5/16 - 5/8 in) diameter.

Q: Does the Utility Snatch pulley comply with LOLER 1998?

A: Yes. The Utility Snatch pulley is CE certified under EN 13157 (Machinery Directive) Maximum Working Load of 500 kg (1102.3 lb).

Q: What are the maintenance requirements for the Utility Snatch pulley?

A: Harken products are designed for minimal maintenance and use in the most extreme environments. Flushing with fresh water keeps your Utility Snatch pulley free running.

Q: Is the Utility Snatch Pulley suitable for Human Suspension?

A: Harken pulleys can be used for human suspension provided a 10:1 break load factor of safety is achieved.



Maximum rated load for lifting & pulling load applications: 500 kg (coefficient ratio 5:1 of breaking load); Maximum rated load for human suspension: 250 kg (coefficient ratio 10:1 of breaking load); marked in accordance with the Machinery Directive and EN 13157:2004 standard.

WARNINGS AND INSTRUCTIONS. You must carefully read, understand, and follow all of the warnings and instructions in the User Manual provided by Harken in order to avoid an accident. Never, under any circumstances, exceed the maximum rated load.

LOAD ASSIST SYSTEM

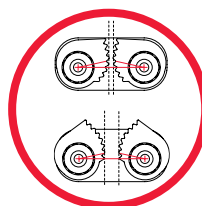
**THE LIGHTEST, MOST COMPACT, FULLY TESTED,
AND CERTIFIED 6:1 SYSTEM ON THE MARKET**

The Harken® Load Assist System increases your strength by six, making light work of load handling. Easily rigged to an existing system, the operator can set up a deviation, or transfer a casualty at height from their working rope to the operator's rescue rope.



Low-friction sheave

The Delrin® bearings provide low-friction, quick-and-easy release of rope under load. They are UV-stabilized for maximum protection.



Ball bearing cam cleats

Harken ball bearing cam cleats hold rope securely and release instantly under load. Multiple rows of ball bearings reduce friction, and the cam's v-shape guides the rope for easy entry.



Fairlead

The X-treme Angle fairlead allows releasing and recleating of the rope at angles up to 90° to the cleat. The stainless steel loop provides a low-friction turning post.



Pre-stretched polyester rope

The system uses an 8 meter length of 5 mm polyester rope. The woven 8-plait cover provides UV and abrasion protection. The polyester core keeps the rope compact and dimensionally stable.



Certification

CE certified under EN 13157 (Machinery Directive) with a Maximum Working Load of 150 kg (330.7 lb) and Break Load of 600 kg (1322.8 lb).

Delrin® is a registered trademark of E.I. duPont de Nemours and Company or its affiliates.

**making light work
of heavy loads**

Part no.	Description	Maximum working load		Breaking load	
		kg	lb	kg	lb
443.231	Load Assist system	150	330.7	600	1322.8
443.2624	CE 4:1 Purchase system	202	445	1020	2248.7

Simple to use in load assist applications.

The Harken® Load Assist System is used by Emergency Services and Rescue personnel in assisting the transfer of loads and individuals from working ropes to alternates. The system can also be used to transfer loads in deviation, as well as taking the load when lifting inanimate objects.

Maintaining the system

The system is easy to maintain. Simply flush pulleys with fresh water. As with all equipment, regular checks should be made to ensure the system is in good working order.

FAQs

Q: What makes the Harken Load Assist System different from the many others already available?

A: The Harken Load Assist System is CE certified under EN 13157 (Machinery Directive).

Q: Is the Harken Load Assist System suitable for human suspension?

A: The system can be used in conjunction with fall protection when used for human suspension in accordance with LOLER Regulation 5.

Q: Can I replace the rope or parts within the system?

A: No. No modifications can be made to the Harken Load Assist System, including the re-reeving of the rope.

Q: What is the range of travel of the Load Assist System?

A: The designed travel range of the load assist is 1.2 meters (3ft 11¼ in). Please contact Harken Industrial should you require any other configurations.

Q: Are alternative Load Assist Systems available?

A: Harken currently offers two Load Assist Systems offering a 4:1 or 6:1 purchase. They are both CE certified under EN 13157. If you are interested in alternative purchase configurations please contact the tech team who will be happy to discuss your requirements.

Q: Does the system come with any attachments or accessories?

A: The 4:1 system is supplied with shackles for attaching your own karabiners, ropes or other connectors. The 6:1 system is available with or without shackles depending on your requirements.



Maximum rated load for lifting & pulling load applications: 150 kg / 330.7 lbs (coefficient ratio 4:1 of breaking load); marked in accordance with the Machinery Directive and EN13157:2004 standard.

WARNINGS AND INSTRUCTIONS. You must carefully read, understand, and follow all of the warnings and instructions in the User Manual provided by Harken in order to avoid an accident. Never, under any circumstances, exceed the maximum rated load.

OCEANIC CABLE BLOCK

LIGHT ENOUGH TO ALIGN TO THE LOAD

The Harken® Oceanic Cable blocks are used on vessels to safely lead cables & towed objects overboard. At only 19.3 kg (42.5 lb) the 500 mm (19.7 in) sheave diameter block is light enough to align to the load, optimizing cable tracking.



**Safely leading cable
& towed arrays overboard**



Durability

The UV-stabilized 6061-T6 aluminum sideplates are hardcoat-anodized for maximum protection and PTFE-impregnated for a smooth surface.



Design

The block's wide throat allows passage of wire terminals. The sheaves durable, lightweight Nylatron® material has high mechanical stiffness, resists static electricity, and has excellent wear resistance. Isolating materials between aluminum and stainless steel components minimizes corrosion.



Large diameter sheave

The block's large center hole moves the center of gravity toward the shackle, improving the block's ability to align to the load. The sheave's groove detailing can be designed to suit specific cable.



Bearings

Delrin® roller bearings are housed in a center cage to keep them parallel for low-friction efficiency. The captive Torlon® ball bearings handle any side loads. The large-diameter bearing cage reduces friction and spreads the load.



Options

The block has a magnet pocket and can be supplied with or without a magnetic counter.

Nylatron® is a registered trademark of the Quadrant Group. Delrin® is a registered trademark of E.I. duPont de Nemours and Company or its affiliates. Torlon® is a registered trademark of Solvay Advanced Polymers.

Part No.	Description	Max working load		Breaking load		Weight	
		lb	kg	lb	kg	lb	kg
C6989	500 mm Oceanic Cable Block	5000	2268	20042	9091	42.5	19.3
	750 mm Oceanic Cable Block	79999	36287	159998	72574	221.6	100.5

Simple to use.

The Oceanic Cable block has already been used by Woods Hole Oceanographic Institute, University of Rhode Island, and University of Delaware Oceanographic Research departments as well as many other ocean research organizations.

Maintaining the block is easy

Simply flushing the block through with fresh water after use will keep the dry running bearings free rolling. If further maintenance is required you only need one hex wrench to disassemble the Oceanic Cable block. All the bearings are captive so there is no need to worry about losing parts.

FAQs

Q: Is the Oceanic Cable block compliant with any industry bodies?

A: Yes. It is compliant with UNOLS.

Q: What rope speed can it handle?

A: It is frequently operated in excess of 60 meters per minute.

Q: What is the life span of the block?

A: We have recently serviced some 10-year-old blocks and put them back into use. Regularly flushing the blocks with water will help to extend their life before servicing is required.

Q: Is there a fixed head version?

A: Yes.

Q: Do you offer alternative sheave diameters?

A: Yes. Please let us know your requirements and we would be pleased to quote. The sheave groove detailing can also be designed to suit your specific cable.



WARNINGS AND INSTRUCTIONS. The user must follow the manufacturer's instructions for each component of the system. These instructions must be provided to the user of this equipment. The user must read and understand these instructions before using this equipment. Manufacturer's instructions must be followed for proper use and maintenance of this equipment. Alterations or misuse of this equipment, or failure to follow these instructions, may result in serious injury or death.

RAIL & CAR SYSTEMS

OFFERING LOW FRICTION IN ANY LINEAR MOVEMENT APPLICATION

Harken® ball bearing cars and rail provide simple, low-maintenance system to move loads along a rail. Generous tolerances prevent systems from clogging or binding in dirty or salty environments. Cars feature recirculating ball bearings housed in aluminum for a durable, free-running system.



Low precision

Harken cars are designed to move freely along the rail. The rail's flat race reduces surface friction, preventing dirt buildup and binding.



Durability

Cars and rails are machined out of solid 6061-T6 aluminum. They are offered in black hardcoat or clear anodized finishes for maximum corrosion protection and longlasting durability.



Compression and tension

Harken rails and cars provide a low friction sliding solution under both compression and tension.



Ball Bearings

Free rolling Torlon® and Delrin® ball bearings reduce friction to move loads along the rail. Stainless wire guides keep the ball bearings captive allowing cars to be easily removed from the rail for maintenance.



Certification

Systems used for human suspension are certified and tested under EN795.2012 Type B/D

smooth & simple systems
for moving loads

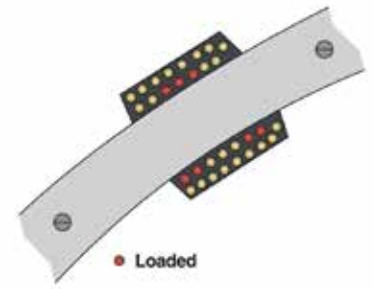
Torlon® is a registered trademark of Solvay Advanced Polymers.
Delrin® is a registered trademark of

CURVED RAIL

Rails can be bent to suit various applications.

Minor bends can often be applied when the rail is installed. If the rail requires more bend Harken® can provide horizontal, vertical or compound curves to specification.

To perform smoothly and carry the correct load, the car's length must suit the track radius. If the load requires a long car, but the radius will be too tight, consider using two short cars joined by a coupler.



RIB RAIL



This system is specifically designed for the marine environment giving you a flexible cockpit layout with fast, hassle free re-configuration.

Seats are mounted on 4 cars that run on parallel tracks. Two of the cars have pinstops that locate into the holes in the tracks. Two cars are free sliding. To adjust the car location, simply raise the two pinstops and slide to new location.



Delrin insulating sliders



Sprung mounted pinstops



Removeable pinstop endstops

ACCESS RAIL SYSTEM

Designed for use as an adjustable anchorage point for external maintenance. This system provides freedom of movement at height and the ability to lock yourself in one position as you work.

The R27 Access Rail System is designed for single-person use, for fall protection, restraint and fall arrest in line with a max WLL of 136 kg in line with max harness user weight.

The R32 Access Rail System is designed for single-person use with a 300 kg MWL when used in rescue situations.

The system is certified & tested to EN795.2012 Type B/D.



To avoid personal injury the Access Rail System must be used with a full body safety harness and/or working harness or chair that meets CE/ANSI EN813 support standards.

www.harkenindustrial.com

RANGE

Cars

Harken® cars are available in many varieties for use in everything from sliding seats and window washing to theatre productions and specially designed Human Suspension systems.



Micro



Small



Midrange



Big



Utility

Part No.	Description	Length		Width		Height		Weight		Working load limit		Breaking load	
		ft/in	mm	in	mm	in	mm	oz	g	lb	kg	lb	kg
Micro													
2700	Car/pivoting shackle	2 3/16	56	1 9/16	40	3/4	19	1.76	50	154	70	1500	680
IN6707	Utility car	2 3/16	56	1 9/16	40	3/4	19	-	-	154	70	1500	680
IN8187	Utility car	2 3/16	56	1 9/16	40	3/4	19	-	-	154	70	1500	680
Small													
2726	Car/pivoting shackle	2 7/8	73	2 1/4	57	15/16	24	4.64	132	250	114	2500	1134
2727	High-load car/pivoting shackle	2 7/8	73	2 1/4	57	15/16	24	4.64	132	425	193	2500	1134
2735	1250 Series/pivoting toggle	4 1/8	105	2 1/4	57	15/16	24	4.72	191	647	293	2500	1134
IN7986	Utility car	2 7/8	73	2 1/4	57	15/16	24	-	-	250	114	2500	1134
IN8374	High-load utility car	2 7/8	73	2 1/4	57	15/16	24	-	-	425	193	2500	1134
IN8418	1250 Series utility car	4 1/8	105	2 1/4	57	15/16	24	-	-	647	293	2500	1134
IN8473	Utility car/M8 holes	2 7/8	73	2 1/4	57	15/16	24	-	-	250	114	2500	1134
Midrange													
T2701B	Car/shackle	4 1/4	108	2 3/4	70	2	50	11.04	313	900	408	5000	2268
T2701B.HL	High-load car/shackle	5 3/16	132	2 3/4	70	2	50	12.48	354	1150	520	5000	2268
IN9606	2-Car external access car assembly/ coupler/pinstop	10 3/4	273	2 3/4	70	1 1/8	28	-	-	300	136	-	-
Big													
T3201B	Car/shackle	5 3/8	136	3 11/12	85	2 5/8	73	20	567	1500	680	7000	3175
T3201B.HL	High-load car/shackle	7 7/16	188	3 11/12	85	2 5/8	73	24	680	2250	1020	9000	4081
T3204B	Car/2 stand-up toggles	9 1/8	231	3 11/12	85	3 1/2	89	41.12	1166	2500	1134	10000	4536
Mini-Maxi & Maxi													
3068	Mini-Maxi	10	254	4 3/8	111	3 3/4	95	81	2296	4592	1982	18000	8164
3070	Maxi	14	357	5 1/4	133	5	127	179	5075	10150	2722	25000	11340

Clear-anodised cars available by special order. Add ".CLEAR" to end of part number. Cars can be ordered without shackles and pulleys.

*Mini-Maxi and Maxi cars have non-captive bearings.

Maximum working loads are 4:1 coefficient ratio of the breaking load. Human suspension applications require 10:1 ratio.

WARNING AND INSTRUCTIONS: you must carefully read, understand and follow all of the warning and instructions in the User Manual provided by Harken in order to avoid an accident. Never, under any circumstances, exceed the maximum rated load.

Rails

Bolted to a strong structural surface the rail provides a simple and low-maintenance system on which to guide the load. Use high-beam to span unsupported areas.



Low beam



High beam

		Length		Hole spacing		Fasteners	
Part No.	Description	ft/in	mm	in	mm	in	mm
Micro							
2707.2m	Low-beam metric	6.56	2	1 31/32	50	#8	4
2709.2m	High-beam metric	6.56	2	3 15/16	100	#8	4
Small							
2720.3m	Low-beam metric	9'10 1/16"	3	3 15/16	100	10FH	5FH
2725.3.6m	High-beam metric	11'9 3/4"	3.6	3 15/16	100	10FH	5FH
2721.3.6m	High-beam variable hole spacing	11'9 3/4"	3.6	Slide bolt		-	5HH
373.6	Low-beam imperial	6	1.83	4	102	10FH	5FH
373.6	High-beam imperial	6	1.83	4	102	10FH	5FH
Midrange							
R27.3m	Low-beam pinstop track	9'10 1/16"	3	3 15/16	100	5/16 FH	8FH
R27.3.6m	Low-beam pinstop track	11'9 3/4"	3.6	3 15/16	100	5/16 FH	8FH
R27.6m	Low-beam/pinstop holes	19'8 1/4"	6	3 15/16	100	5/16 FH	8FH
R27HB.3.6m	High-beam	11'9 3/4"	3.6	Slide bolt		¼ HH	6FH
1602.6	Low-beam imperial	6	1.83	4	102	¼ HH	6FH
IN1643.3m	High-load pinstop track	9'10 1/16"	3	3 15/16	100	5/16 FH	8FH
IN1643.6m	High-load pinstop track	19'8 1/4"	6	3 15/16	100	5/16 FH	8FH
Big							
R32.3m	Low-beam/pinstop holes	9'10 1/16"	3	3 15/16	100	3/8 FH	10FH
R32.3.3m	Low-beam/pinstop holes	11'9 3/4"	3.6	3 15/16	100	3/8 FH	10FH
R32.6m	Low-beam/pinstop holes	19'8 1/4"	6	3 15/16	100	3/8 FH	10FH
R32HB.3.6m	High-beam	11'9 3/4"	3.6	Slide bolt		5/16 FH	10HH
3159.6	Low-beam imperial	6	1.83	4	102	5/16 FH	10FH

Clear-anodised track available by special order. Add ".CLEAR" to end of part number.

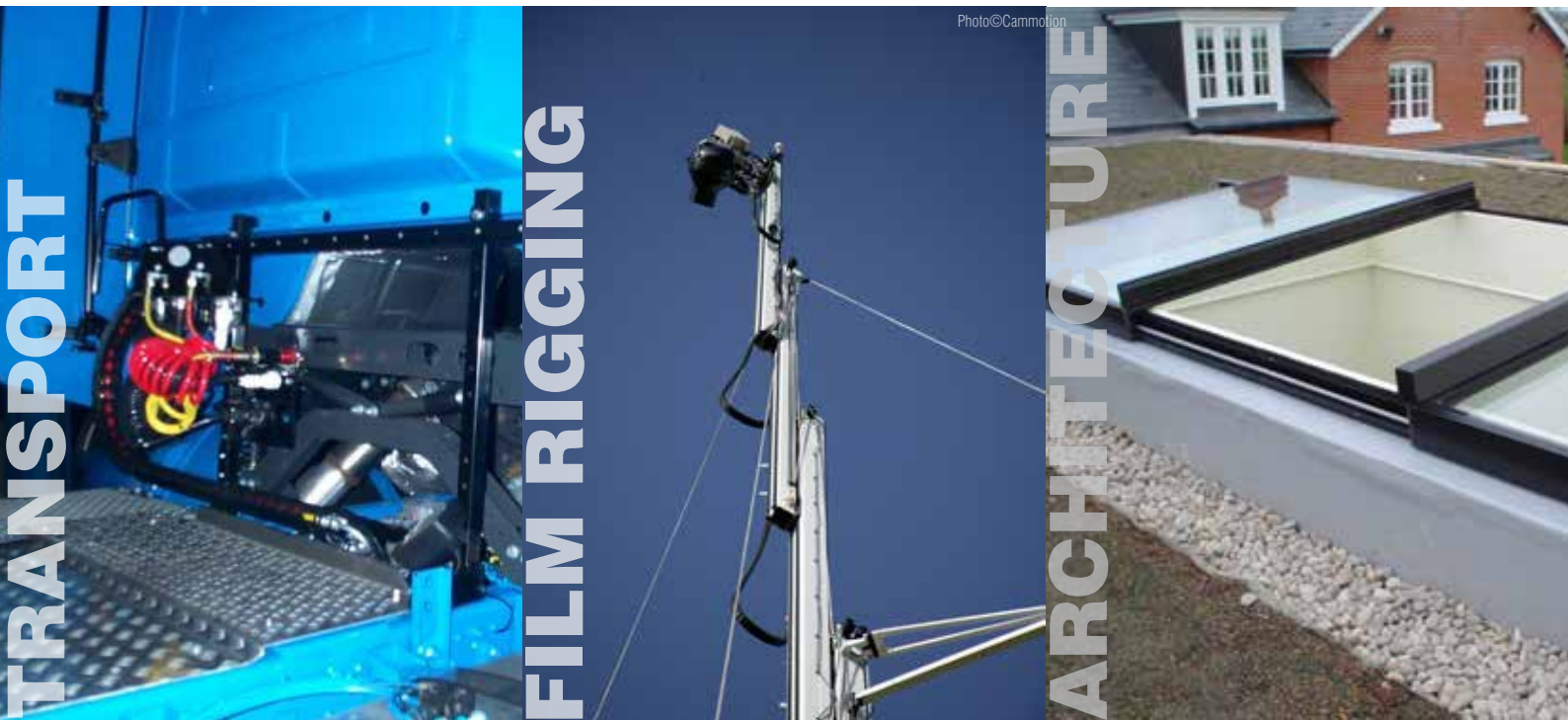
*Additional lengths available. Contact Harken.

APPLICATIONS

Simple to use and ideal for moving heavy loads.

The Rail and Car systems can be used in a wide range of applications and industries including:

- Construction/Steel Frame and Envelope Projects
- Renewable Energy/Blade Cleaning
- Facilities Management
- Vessel Maintenance
- Stage Management, Filming and Rigging
- Architectural
- Utility and Oil & Gas Sectors
- Exercise Equipment



FAQs

Q: Can the Harken® Rail & Car Systems be fitted retrospectively?

A: Yes. The simplicity of the systems mean they can easily be installed at a later date.

Q: Are Harken Rail and Car systems able to curve to a tight radius?

A: While the standard Harken rail can be bent to create curves the nature of its design to provide low friction movement does not allow for tight radius bends.

Q: Are the Harken Rail & Car Systems suitable for human suspension?

A: Only the Access Rail System is suitable for human suspension and has been tested to EN795.2012 Type B/D.

Q: What is the difference between Torlon and Delrin Ball Bearings?

A: Torlon ball bearings offer higher performance, designed to cope with abrasion, dirt and salt. The balls have excellent elasticity so do not suffer permanent deformation until c.70% break load.

Q: How are Harken rail and car systems any better than other systems on the market?

A: The ball bearings inside the cars run on a flat race rather than a designed race reducing surface friction and preventing the build up of dirt. The balls are held captive with wire guides making servicing and maintaining the systems easy.



HARKEN EXCEPTION: This Access Rail system may be used for Human Suspension

WARNINGS AND INSTRUCTIONS. You must carefully read, understand, and follow all of the warnings and instructions in the User Manual provided by Harken in order to avoid an accident. Never, under any circumstances, exceed the maximum rated load.

ACCESS RAIL

WORK EXTERNALLY WITH FREEDOM OF MOVEMENT

Designed for use as an adjustable anchorage point for external maintenance. This system provides freedom of movement at height and the ability to lock yourself in one position as you work.



Design

Cars are constructed of strong, lightweight, one-piece solid aluminium. The pinstop feature allows movement of cars along track, with the ability to lock it in position.



Durability

Cars and track are available in black Hardkote or clear-anodised finishes for corrosion protection and durability.



Ball Bearings

Torlon® ball bearings handle high loads, reducing friction allowing the operator to move smoothly along the track. Stainless steel wire guides keep ball bearings captive when cars are removed for maintenance.



Options

The Access Rail system can be mounted in the vertical or horizontal plane. It is also available with a wheel toggle configuration to achieve angles of up to 90 degrees.



Certification

CE certified and tested under EN795.2012 Type B/D

improving safety
whilst working at height

APPLICATIONS & MAINTENANCE

Simple to use and ideal in the most diverse applications.

The R27 and R32 Access Rail System is ideal for use in a wide range of applications and industries including:

- Construction/Steel Frame and Envelope Projects
- Renewable Energy/Blade Cleaning
- Facilities Management/Asset Integrity Inspections
- Vessel Maintenance
- Stage Management, Filming and Rigging
- Architectural/Building Survey
- Utility and Oil & Gas Sectors

Car Assembly

Part No.	Description	Length		Width		Max Working Load		Fits Track
		in	mm	in	mm	lb	kg	
IN9606.CLEAR*	27 mm Midrange 2-car Access Rail car assembly with coupler	10 3/4	273	2 3/4	70	300	136	1643/1650
IN10567.CLEAR*	27 mm Midrange 2-car Access Rail car assembly with wheel toggle	2 3/16	56	1 9/16	40	3/4	19	-

Access Rail cars must only be used with track, mounted using 5/16" (8 mm) fasteners. Use only endstops listed below.

*To order black hardcoat-anodized, remove "CLEAR" from end of part number.

Rail

Part No.	Description	Length		Mounting hole spacing		Fasteners		Endstop	Splice link**
		ft/in	m	in	mm	in	mm		
IN1643.3m.CLEAR*	27 mm Midrange pinstop rail for countersink fasteners	9'10 1/16"	3	3 15/16	100	5/16 FH	8 FH	IN.9561.CLEAR*	1649
IN1643.6m.CLEAR*	27 mm Midrange pinstop rail for countersink fasteners	19'8 1/4"	6	3 15/16	100	5/16 FH	8 FH	IN.9561.CLEAR*	1649
IN1650.3m.CLEAR*	27 mm pinstop rail for caphead fasteners	9'10 1/16"	3	3 15/16	100	5/16 SHCS	8 SHCS	IN.9561.CLEAR*	1651
IN9561.CLEAR*	27 mm Midrange endstops (sold in pairs)	2 1/4"	57 mm	-	-	5/16 FH	8 FH	-	-

1650 track for 6 mm fasteners with 50 mm hole spacing available by special order. Contact Harken for lead time.

**To order black hardcoat-anodized, remove "CLEAR" from end of part number. ** Purchased one splice link for each track section.

Optional Parts

Part No.	Description	Length		Width		Max Working Load		Fits Track
		in	mm	in	mm	lb	kg	
IN9565.CLEAR*	R27 Access Rail car with pinstop	5 3/16	132	2 3/4	70	220	100	All 1643
IN9608.CLEAR*	R27 Access Rail car	5 3/16	132	2 3/4	70	220	100	All 1643
IN10614.CLEAR*	R27 Access Rail car with wheel toggle & pinstop	5 3/16	132	5 5/16	150	220	100	All 1643
IN10615.CLEAR*	R27 Access Rail car with wheel toggle	5 3/16	132	5 5/16	150	220	100	All 1643
IN10612.CLEAR*	R27 wheel toggle	4 1/2	115	2 3/4	70	220	100	-

*To order black hardcoat-anodized, remove "CLEAR" from end of part number.

FAQs

Q: Is the Harken® Access Rail covered by any industry legislation?

A: Yes, the Harken R27 and R32 Access Rail Systems are CE certified and tested under EN795.2012 Type B/D

Q: I already work with a rail system do I need additional training to work with the Harken Access Rail System?

A: Skills learnt for use with alternative rail systems are transferable. However a short training session to familiarise yourself with the Harken system is required to ensure safe installation and working practice.

Q: Can the Harken Access Rail be fitted retrospectively?

A: Yes. The simplicity of the system means it can easily be installed at a later date.

Q: What benefits can the Harken Access Rail System offer me over other rail systems available?

A: The construction and materials used in the Harken Access Rail System create a stronger system with a smoother linear motion. The system is made up of anodised, one-piece aluminium components ensuring long life with low maintenance and corrosion resistance.



HARKEN EXCEPTION: This product may be used for Human Suspension

WARNINGS AND INSTRUCTIONS. You must carefully read, understand, and follow all of the warnings and instructions in the User Manual provided by Harken in order to avoid an accident. Never, under any circumstances, exceed the maximum rated load.

HARKEN® RIB Seat Track System

A BETTER TRACK SYSTEM FOR MOUNTING SHOCK MITIGATION SEATS

This system is specifically designed for the marine environment giving you a flexible cockpit layout with fast, hassle free re-configuration.

We tested this system over 2,000kgs so you can be sure of your installation meeting HSC regulations.



How does it work?

Seats are mounted on 4 cars that run on parallel tracks. Two of the cars have pinstops that locate into the holes in the tracks. Two cars are free sliding.

To adjust the car location, simply raise the two pinstops and slide to new location.

Track Design

- High strength Aluminium 6061 T6 low profile track - only 13mm
- Hardkote anodised for maximum protection
- PTFE impregnated for low friction, wipe clean finish
- 33mm pinstop hole spacing for maximum flexibility in seat spacing
- Countersunk M5 fasteners for flush fitting
- Underside of track recess for mastic sealant



End Stops

- Removable pinstop end allows seats to come off track
- Low profile end stop for smooth, snag free end.



Car Design

- Strong - Tested to over 2 tons, see test report overleaf
- Adaptable - can be fitted to dive tank racks, weapons racks, deck boxes etc.
- Compact – Only 33mm wide – minimum intrusion on cockpit sole
- Black hardkote anodised - maximum corrosion resistance



- Delrin® insulating sliders
 - No metal to metal contact
 - No lubrication required
 - Low friction
 - Smooth movement
 - Minimum rattle



- Sprung mounted pinstops
 - Secure seat location rotate to lock, spring down to secure
 - Quick and easy adjustment



McLube™ is a trademark of McGee Industries.
Delrin® is a registered trademark of E.I. duPont de Nemours and Company or its affiliates.

Installation and Maintenance

Simply flush clean with fresh water and mild detergent.

To reduce friction further, use **McLube™** high performance dry lubricant. Do not use oils or greases.

For added protection against corrosion Harken UK recommends using Tef-gel on the fasteners when installing the track.

Part No.	System components
2751	Rib track (various lengths)
E2200	End stops (to limit car removal - sold in pairs)
2722	Trip caps (to allow car removal - sold in pairs)
IN120	Car with pinstop (formally HSB423)
IN121	Car without pinstop (formally HSB512)

Example Test Certificate



Bearing House, Ampress Lane
Lymington, Hampshire, SO41 8LW
01590 689122 www.harkenindustrial.co.uk

PROOF TEST CERTIFICATE

CERT. NO:
0055

In-house Test to indicate compliance with M1
Vehicle Passenger Seat Rating



1.
4 Cars
set up on
parallel
tracks via
a mounting
plate



2.
The plate
was pulled
to 2000kgs



3.
No visible
damage
to cars,
pinstop
remains
fully
functional.



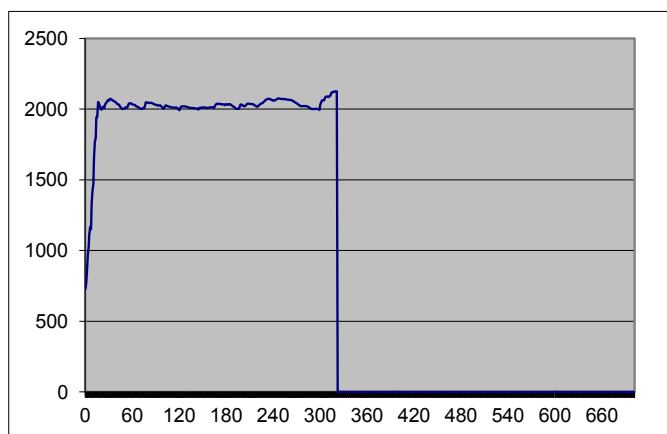
4.
Slight
smear
of delrin
residue
left on
track

Part Number: 2750 / 2751
Description: 4 x22mm Slider Car on track (Vertical Pull)
Rated Load (Kgs): 2000kg

Serial Number:
Test Date: 01/08/2013
Tested By: DL

Test Conducted	EN Test No.	Test Load (Kgs)	Pass	Fail
Type test	N/A	2000kg	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Proof Test			<input type="checkbox"/>	<input type="checkbox"/>

* Shunt Calibration = 12.5 (+/- .002)



CONCLUSION

Load was not released. No visible damage to track or cars. Small amounts of Delrin left on track surface.

Signed:
Name: Cathy Ash-Vie
Date: 09/09/2013

Winches

DESIGNED TO WITHSTAND THE MOST DEMANDING CONDITIONS

Harken® winches take the strain out of load management, providing a range of winches to suit a variety of applications from emergency recovery, manual load lifting, tripod applications, electric and manual davit arms and certified man riding. The range of power ratios helps to reduce fatigue and risk of injury when managing heavy loads.



Manual

Powerful, efficient and dependable the Radial winch range offers excellent performance. The shaped drums don't depend on an abrasive surface to hold the line so are kinder on the line. Lightweight, high strength bearings and bushings reduce friction under load, have excellent corrosion resistance and don't require lubrication.



Electric

Powered winches offer the operator finger tip control of high loads. Available with vertical, or horizontal motors they offer flexible mounting positions.



High Power Ultra Lightweight

For use when high load and high-strength to weight ratios are critical. The wide drums provide extra surface area to secure high-tech lines. Winches can be driven by electric or hydraulic motor or pedestal for power or with a standard winch handle.



Captive Reel

Redefining load management providing a more compact, weight efficient and powerful solution. The feeder screw ensures the line is loaded on to the drum so it pays in and out smoothly with complete control.



Accessories

Harken winches can supply manual winch handles, spare parts and servicing kits for the winch range making it easy to service and maintain the winches without needing to send the parts back to the manufacturer.

Redefining load management

Simple to use and ideal for moving heavy loads.

Harken® winches can be used in a wide range of applications and industries including:

- Construction/Steel Frame and Envelope Projects
- Renewable Energy
- Facilities Management
- Stage Management, Filming and Rigging
- Architectural
- Utility and Oil & Gas Sectors



FAQs

Q: How much line can winches pull?

A: Standard winches are able to pull an infinite length of line and do not require the end of the line to install onto the drum. Captive reel winches have a limited pull length but each size winch is available in multiple throw lengths.

Q: Is it necessary to hold the tail of the line whilst operating the winch?

A: The majority of Harken winches are fitted with a self tailing jaw set. This holds the rope captive during and after winching to allow quicker and more powerful operation using both hands.

Q: How is the load eased or a lift process reversed?

A: On conventional winches the line is removed from the self tailing jaw set by hand and then gradually eased round the drum. The majority of the load will be held by the wraps on the drum so the handled load is kept to a controllable level. There are versions of our electric winches which can ease the line out at the press of a button.

Q: Is it possible to use an electric winch with a manual handle should there be a power outage?

A: Yes. A Harken winch handle can be inserted into an unloaded winch to disconnect the power drive and allow for manual operation.



WARNINGS AND INSTRUCTIONS. You must carefully read, understand, and follow all of the warnings and instructions in the User Manual provided by Harken in order to avoid an accident. Never, under any circumstances, exceed the maximum rated load.



REVOLUTIONARY DEVICE FOR WORKING AT HEIGHT

The unique Harken® PowerSeat™ has revolutionized working at height, providing the worker with the ability to ascend quickly, stay in position longer, and work in comfort. The PowerSeat™ provides quality, convenience, safety and the best solution for completing a task on time.



Speed control

The unit is operated using a fail-safe dead man's switch to control ascent speed, up to 15 m/min (49.2 ft/min).



Brake

The brake system offers complete security against free fall. The encapsulating jaw cover protects against snagging fingers and clothing in the winch.



Ergonomical Design

The PowerSeat™ is designed to stay in an upright position, eliminating wasted energy maintaining an upright position.



Durability

Stainless steel load-carrying gears and pins provide strength and durability. Sealed gearbox and high-load ball bearings reduce friction under load, are corrosion resistant, and do not require lubrication.



Certification

The Harken PowerSeat™ is CE certified to the Machinery Directive and independently verified by Bureau Veritas.

taking the work
out of working at height

Part no.	Description	Max working load		Max line speed		Weight	
		kg	lb	m/min	ft/min	kg	lb
PWRS-G	Gas	273	601.9	15	49.2	14	30.9
PWRS-E	Electric	300	661.4	14	45.9	19	41.9
PWRS-GC	Compact Gas	273	601.9	15	49.2	12.8	28.2
PWRS-EC	Compact Electric	300	661.4	14	45.9	17.8	39.2

Simple to use and ideal in the most diverse applications.

The PowerSeat™ is ideal for a wide range of applications such as wind turbines, building exteriors, search and rescue scenarios — not only as a powered ascender but also as a portable winch or hauler.

- Construction/Steel Frame and Envelope Projects
- Renewable Energy/Blade Cleaning
- Facilities Management/Asset Integrity Inspections
- Marine Rigging & Vessel Maintenance
- Stage Management, Filming and Rigging
- Telecommunications/Mast Erection
- Architectural/Building Survey
- Utility and Oil & Gas Sectors

FAQs

Q: Is the PowerSeat™ just a mechanical ascender?

A: The durability and certification of the PowerSeat™ allows it to be used as a powered ascender for access, as well as rigged to assist with hauling and pulling applications. For example, cliff rescue (when anchored to a strong point), or in conjunction with a tripod for confined space/winching operations.

Q: Is the PowerSeat™ only rated for single person use?

A: No, the PowerSeat™ can be utilised in tandem rescue situations to a maximum working load up to 300 kg (661.4 lb).

Q: How long does the fuel tank allow for use?

A: A full tank of fuel (0.6 l) will allow for around 1200 m (3937 ft) climb distance at 273 kg (601.9 lb).

Q: What is the ascent speed?

A: Rate of climb is 15 m per minute at 120 kg (49.2 ft per minute at 265.6 lb), 11 m per minute at 273 kg (36.09 ft per minute at 601.9 lbs).

Q: What training is required? Can anyone use the PowerSeat™?

A: Use of the PowerSeat™ is restricted to those certified for temporary work at height, with access and positioning systems using ropes according to the current regulations of the nation and industry in which the device is used.

Q: What happens if I inadvertently exceed the working load of the PowerSeat?

A: The PowerSeat Gas engine is tuned to stall when the working load is exceeded. The PowerSeat Electric has a thermal cut-out within the transformer to cut power to the seat. In both cases, the seat is then free to descend to release the load. The seat can then be restarted to continue use.

Q: What type of fuel does the PowerSeat gas run on?

A: The gas version of the PowerSeat runs on Unleaded Gasoline with a Pump Octane rating of 86 or higher.



Available in Gas, Electric and Compact versions

For more information please visit the website www.power-seat.com



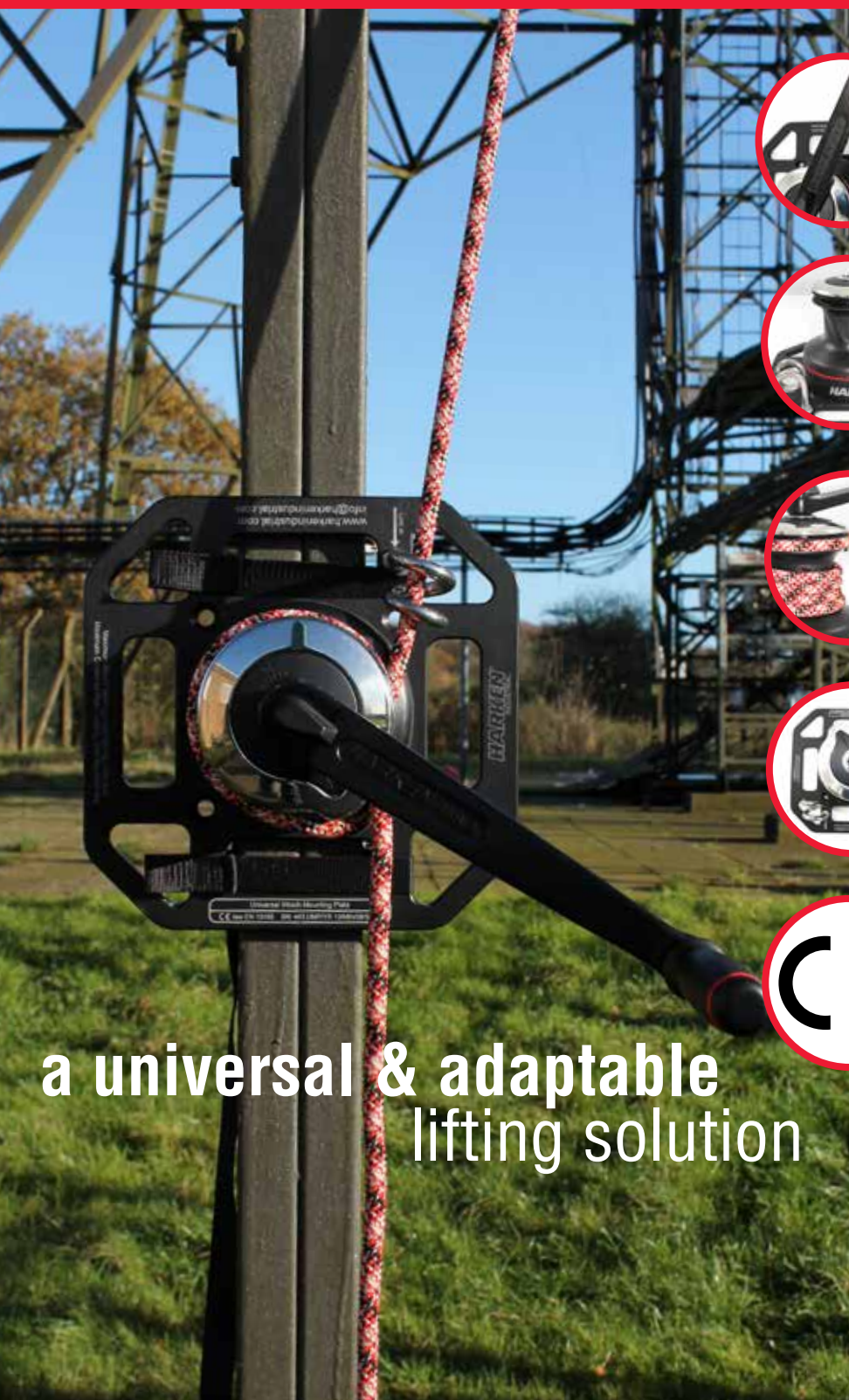
This is not PPE equipment: Use in conjunction with a full fall arrest system at all times.

WARNINGS AND INSTRUCTIONS. The user must follow the manufacturer's instructions for each component of the system. These instructions must be provided to the user of this equipment. The user must read and understand these instructions before using this equipment. Manufacturer's instructions must be followed for proper use and maintenance of this equipment. Alterations or misuse of this equipment, or failure to follow these instructions, may result in serious injury or death.

UNIVERSAL MOUNTING PLATE KIT

A LIGHTWEIGHT CE CERTIFIED PORTABLE WINCH

The UMP kit provides the user with a lightweight, CE certified, portable winch mounted to a robust adaptor plate. Weighing 7 kg (15.4 lb) with a 1/2 tonne working load limit the 2 speed winch magnifies the operator pulling power by up to 40 times. The multiple mounting options provides versatility when working in difficult or remote environments.



Design

Sculpted to remove excess weight and provide multiple attachment points, whilst maintaining strength. The pig-tail line lead ensures correct alignment and loading of the winch for maximum efficiency.

Winch

Aluminium Radial 40.2 winch with 17-4PH stainless steel load-carrying gears and pins for strength and durability. Unique drum design for maximum grip on the rope.

Fiber Rope

The winch is designed for use with fiber rope up to 12 mm (1/2 in) in diameter, reducing weight and allowing alignment to the load. Smooth surfaces and chafe-free design are sympathetic to fiber rope.

Options

For use with multiple fixings depending on the environment and industry; from ratchet straps, M10 bolts, karabiners to scaffold clamps.

Certification

CE certified under EN 13157 (Machinery Directive) with a Maximum Working Load of 500 kg (1102.3 lb) and a Breaking Load of 2500 kg (5511.5 lb).

Kit includes: Universal mounting plate, 40.2 Harken® radial winch and Harken 8 inch winch handle

a universal & adaptable
lifting solution

Part No.	Description	Working load limit		Ultimate load		Weight	
		lb	kg	lb	kg	lb	kg
IN122	UMP KIT	1102.3	500	5511.6	2500	15.4	7

Simple to use and ideal in the most diverse applications.

The winch can be utilised in many applications:

- Utility masts
- Telecoms
- Marine
- Wind Turbine transition piece davits
- Stage and theatre rigging
- Confined space
- Construction
- Access and rescue

FAQs

Q: What is the maximum line operating length?

A: There is no maximum line length for use with the Universal Mounting Plate. The pigtail allows the rope to be installed without feeding the end of the line through.

Q: Is the UMP suitable for human suspension?

A: Yes, it may be used for human suspension in accordance with LOLER Reg 5 (Secondary Fall Prevention Equipment).

Q: Is the kit supplied with the attachment fittings?

A: No. Attachments and fittings are dependent on operational use. Our Tech Team can provide advice on the best attachment solution for your requirements.

Q: Can I service my own UMP kit?

A: Yes; servicing and maintenance of the winch should be carried out in accordance with the Harken® service instructions and only using Harken approved replacement parts and consumables.



Maximum rated load for lifting & pulling load applications: 500 kg (coefficient ratio 5:1 of breaking load); Maximum rated load for human suspension: 250 kg (coefficient ratio 10:1 of breaking load); marked in accordance with the Machinery Directive and EN13157:2004 standard.

WARNINGS AND INSTRUCTIONS. You must carefully read, understand, and follow all of the warnings and instructions in the User Manual provided by Harken in order to avoid an accident. Never, under any circumstances, exceed the maximum rated load.

ACCESS WINCH

CE CERTIFIED LIGHTWEIGHT MAN-RIDING WINCH

The Harken® Access Winch offers a powerful and super-lightweight solution for lifting, lowering, and holding loads in access, rescue and mobile applications. Using an action, similar to that used in cycling, one person can lift up to 500 kg (1103 lb).



Unlimited line length

The winch's self-tailing mechanism allows a single person to safely winch an unlimited length of suitable-diameter rope.



Two handles

The double-handle configuration gives the operator a balanced stance providing greater efficiency. Two different power ratios allow quick lifting of lighter loads and a greater mechanical advantage for heavier loads.



Design

The unique Radial® grip shape maximises holding power and allows smooth, controlled lowering while helping to prevent overrides.



Durability

The hardkote anodised aluminium drum reduces weight while maintaining strength. Stainless steel and bronze in the mechanics of the winch make it strong, durable, and corrosion resistant.



Certification

The Harken Access Winch is CE certified EN13157 (Machinery Directive).

taking the work
out of manual rescue

Part No.	Description	Max load for lifting & pulling		Rope Ø		Weight	
		lb	kg	in	mm	lb	kg
IN40.2STAACCSH	Access Winch	1103	500	5/16 - 1/2	8 - 12	9	4.1

Simple to use and ideal in the most diverse applications.

The 40 Access Winch can mount to tripods, vehicle tow hitches and firmly anchored objects when used in conjunction with an appropriate mounting plate. A single operator can raise and lower loads in a variety of applications, including; confined space and hatches (tripod mount), wind turbine t-piece davit arms, remote rope access, working at height and rescue (universal mounting plate) and offshore rigging.

Maintaining the winch is easy

Harken® winches are designed for minimal maintenance. The winch should be washed with fresh water and periodically serviced, full details can be found in the product manual. The low-friction composite bearings do not require any lubrication.

FAQs

Q: Is the Access Winch Certified?

A: Yes. The Harken Access Winch is CE certified under EN 13157 (Machinery Directive) to a maximum working load of 500 kg (1102.3 lb).

Q: Can the Access Winch be tripod mounted?

A: Yes. The Access Winch can be utilised in a variety of applications. Due to the variation of tripod constructions, mounting is achieved by using a compatible mounting bracket.

Q: Is the Access Winch suitable for human suspension?

A: Yes. The Access Winch may be used for human suspension when used in conjunction with the appropriate industry fall protection PPE. 2 persons/rescue - Max 280 kg/617.3 lb.

Q: What is the maximum line operating length?

A: The Access Winch can pull an unlimited length of line.

It allows for the use of lines with diameters 8–12.7 mm (5/16 - 1/2 "), including EN 1891 safety ropes (10 –11.5 mm (3/8 - 7/16 ").



Maximum rated load for lifting & pulling load applications: 500 kg / 1102.3 lbs; **Maximum rated load for human suspension:** 280 kg / 617.3 lbs (coefficient ratio 10:1 of breaking load); marked in accordance with the Machinery Directive and EN13157.2004 standard.

WARNINGS AND INSTRUCTIONS. You must carefully read, understand, and follow all of the warnings and instructions in the User Manual provided by Harken in order to avoid an accident. Never, under any circumstances, exceed the maximum rated load.

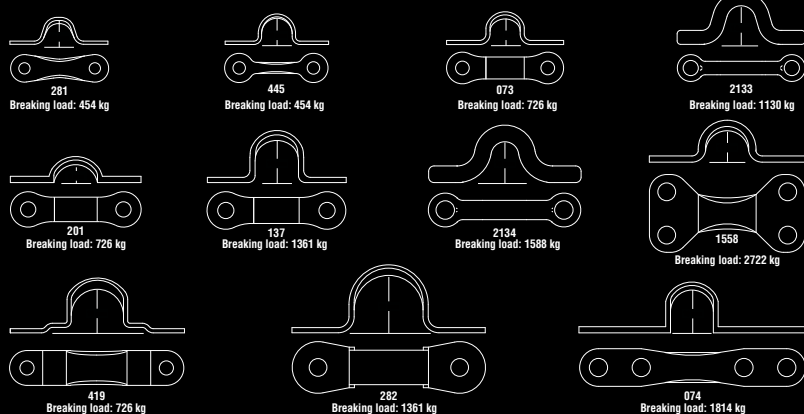
STATIC ATTACHMENTS

LONG LASTING STRENGTH AND DURABILITY FOR ORGANISED WORK SPACES

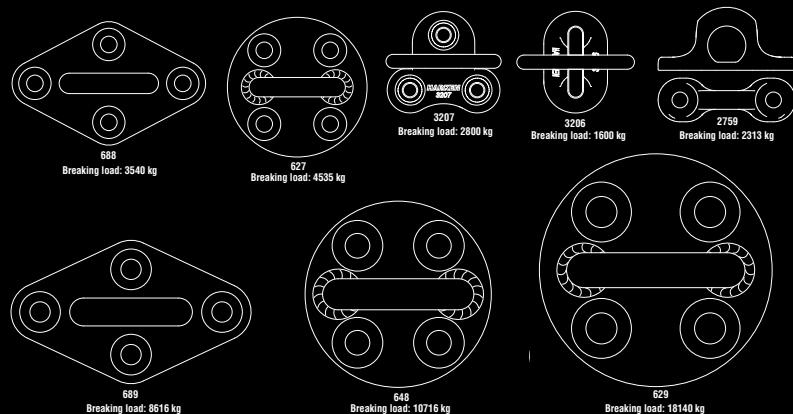
Harken's experience with rope handling has led to the development of a wide variety of attachment points, from simple eyestraps, through high-strength, lightweight padeyes to adaptable and removable solutions where required. Attachment points are tested and numbered to EN795 standards for attachments involving human suspension.



EYESTRAPPS



PADEYES



CE Certified padeye

The stainless steel diamond anchorage point is designed to be permanently installed on a structure so that an anchor device or personal protective equipment can be attached to it, for safe working at height.



Eyestraps

Eyestraps are useful accessories. They form light-duty mounting bases for pulleys, serve as lash-down points, and can be used for fairleads. Forged eyestraps are extremely strong and their smooth shape won't chafe line.



Fixed and Removable

In-deck Loop padeyes are recessed into the mounting surface creating a discreet, low profile design. Lightweight and compact, padeyes work well with almost any soft-attach pulley.



Folding

Folding padeyes keep surfaces and accesses clear. They're ready when you need to attach something but fold safely out of the way when they are not in use.



Standard

Padeyes are great for mounting pulleys and are also used as attachment points wherever they are required. Harken® offers a range of stainless steel padeyes. Their shape allows them to be mounted very close together.

secure attachment and lashing points

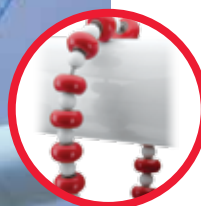
ROLLER SLING

A MOBILE WHEELED ANCHORING SYSTEM TO POSITION WORKERS

The Harken Roller Sling is a mobile, wheeled anchoring system that keeps workers safely aligned to their working surface. Perfect for the Harken PowerSeat™ ascender.



Carabiner not included.



Design

Use this simple device in a basket configuration around structures like pipe or cable. Perfect for extending anchors over a sharp edge that could damage rope.



Smooth Rolling

Wheels house anti-friction sealed steel bearings; Delrin® spacers separate the wheels for smooth-rolling operation.



Durable

Wheels are made of durable urethane and rotate on flexible 7 x 19 stainless steel wire cable; urethane tubing covers attachment eyes on ends.

Certification

The Roller Sling is Certified ANSI/ASSE Z359.1-07 and fully-rated end-to-end for work positioning, fall restraint, fall arrest, and general fall protection.

Delrin is a registered trademark of E. I. du Pont de Nemours and Company or its affiliates.

TranSystems photo

saving time,
conserving energy at height

Specifications		
Part No.	Length	Breaking Load
IN106.2FT	.61 m (2 ft)	2268 kg (5000 lb)
IN106.3FT	.91 m (3 ft)	2268 kg (5000 lb)

Custom lengths on request.

TRAINING AND SUPPORT

GLOBAL NETWORK OF DISTRIBUTORS AND SUPPORT

Harken® considers the safety of those using our products by designing them to reduce risk. Harken's wide distributor network provides support, training, and service to all customers.



Manufacturing

Harken Inc. has two centres of manufacturing; Harken USA for pulleys, rail and hardware and Harken Italy for winches.

By keeping manufacturing contained within the company, this provides control on quality. It also gives Harken the opportunity to experiment and design new products.



Testing & Quality

Harken pride themselves on their testing centres with dedicated staff pushing the products to their limits and beyond — only then do they fully understand how the equipment will perform.

This testing is vital to the continual development and improvement of our products.



Training

Working in industry is a hazardous activity that only those with the correct training should undertake. Harken want to ensure their products are used in a safe and professional manner and have a wide international network of specialist distributors with the appropriate training, knowledge and experience to support you.



Service and Support

Harken pride themselves on the level of customer service and support offered with a dedicated Tech Team on hand to support and assist you. Over 40 years in business and with distributors worldwide, we can offer technical drawings, product knowledge and maintenance advice to ensure your projects stay on track.

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